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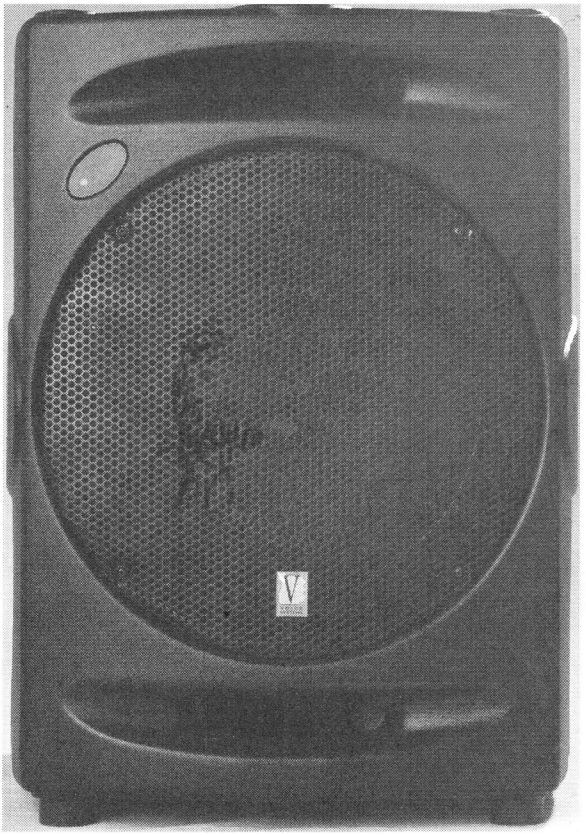
VOICE SYSTEMS

ECLIPSE SUB

AMPLIFIED PROCESSED SUBWOOFER



Manuale d'uso - Italiano

User Manual - English

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Welcome!

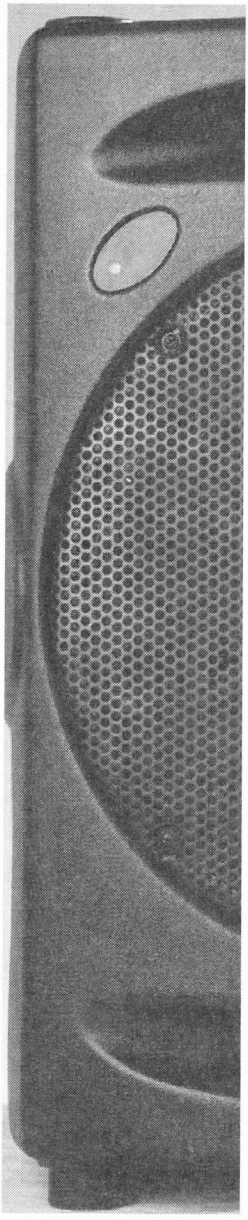
Dear Customer:
thank you for choosing a product.

The Eclipse apparatus are in fact the best on the international market to become your performance's reliable partner.
We have taken great care for better interfacing with all the musical instruments.
The Eclipse series models guarantee constant time performances without any particular apparatus maintenance.
We advise you to read carefully this manual before the use.

Enjoy yourself with ECLIPSE!

ENGLISH

Your ECLIPSE subwoofer



Your ECLIPSE subwoofer is a choice of style and state of the art technology: here all the benefits you will get with.....a good choice indeed!

REFLEX IMPROVED COOLING SYSTEM (RICS)
With the exclusive RICS project, the Eclipse series speaker systems perform a forced cooling of the internal amplifier, with a special circulation of the internal air. RICS allow an improved performance of the bass reflex system: The stronger you play, more efficient the internal cooling will be.

12" SPEAKER
The speaker used is custom Voice System project.

HDPE CABINET
The new cabinet with HDPE technology gives maximum robustness and ease of transport thanks to the reduced weight (only 21 Kg!). The cabinet is identical to the one of the ECLIPSE speaker.
This gives an extra ease of transport, and allow the revolutionary option of mounting the subwoofer directly under the speaker, without using extra accessories.

MULTICOMP
The Multicomp circuitry compress the signal that is too loud at the input, with a special progressive mode, avoiding the annoying "cuts" obtained with a traditional limiter.

ANTIDUMP
At the power on the special Antidump stage eliminates every risk of impulsive noises that can damage the drivers.

User manual informations

This instruction manual is an integral part of the apparatus.
Descriptions and illustrations of this publication are not binding.

Manufacturer reserves the right to carry out any possible modifications of parts or details for the improvement of the product or for commercial or constructive requirements, at any time and without any engagement to update this publication.

All rights are reserved; the reproduction of any part of this manual is forbidden in every form without expressed written permission.

The contents of this guide may be modified without notice.

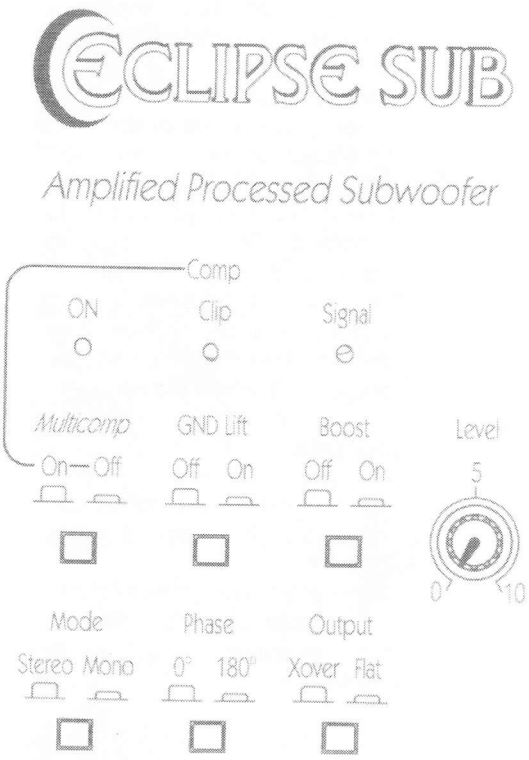
Maximum care has been taken in the collecting and verification of the documentation for a better, complete and comprehensible guide.

Product care

- Do not apply excessive force to the structures and controls (knobs and switches).
- Avoid the system being subjected to strong impact both during transportation and while in use.
- Do not place the equipment near heat sources, in damp or dusty places or near magnetic fields.
- Wherever possible, do not place the system near equipment likely to produce strong interference such as radios - TVs, monitors, etc...
- On no account allow any foreign objects or any kind of liquids to enter the equipment.
- For cleaning operations use only a soft cloth or compressed air, never use detergents, solvents or spirits.
- When unplugging cables always hold them by the plug and not by the lead itself; when winding them up, avoid knots and twists.
- Do not expose the equipment to direct sunlight.
- In order to avoid the risk of electric shock never make power connections with wet hands.
- Make sure that the mains voltage corresponds with that shown on the inside of the amplifier panel.
- Connect the AC IN socket to a properly earthed power supply.
- Always use good quality screened cables.

The control panel

Eclipse is a powered subwoofer electronically controlled via a Multicomp processor. The control of the Multicomp processor is very simple and completely automatic.
The first key on the left side of the control panel is the **Multicomp insert key.** Pressing this key it is possible to disable the controller that is normally ON as a factory preset. We suggest of course always to use the Multicomp controller.



The Clip LED is active when the compressor is on.
On the left side of the Clip LED a ON LED display when your ECLIPSE subwoofer is switched on; while on the right side of the Clip LED a green LED of audio signal presence is located.

GND Lift
With this key it is possible to split the chassis ground from the signal ground.
Normally, the grounds are in common mode when the key is not pressed (OFF). Pressing the key the grounds are lifted (ON).

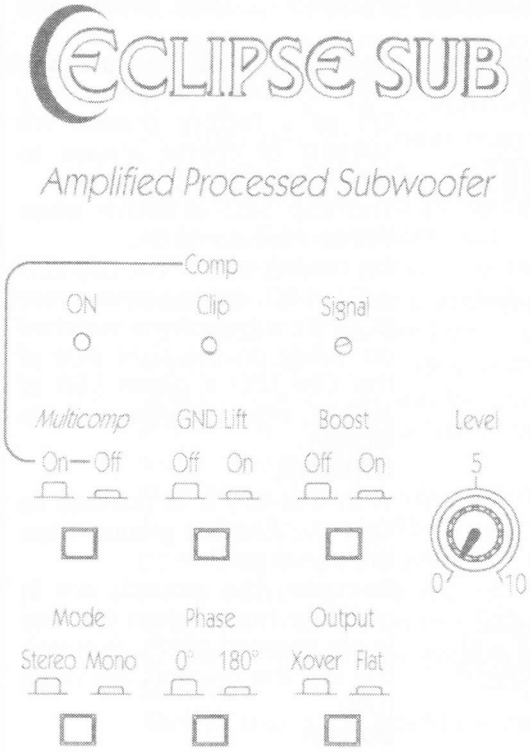
Boost
Eclipse sub works with a eq circuitry to improve the low end response of the system. Pressing the key the eq is inserted. The use of boost may be avoided if it is preferred to use an external EQ.

Level
Volume control.

Mode

This key select the working mode: Stereo (not pressed) allow the use of a single subwoofer with a stereo speaker system, connecting both LEFT and RIGHT mixer cables to the subwoofer.

A perfect audio spectrum is guaranteed from the omnidirectivity of the frequencies below 200 Hz.



Pressing the Mode key the Mono working mode is selected. This mode requires the use of two separate subwoofers for the LEFT and RIGHT channel.

Phase

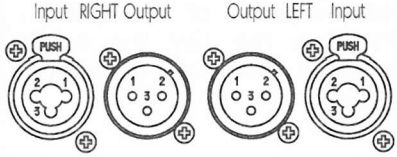
Inverts the signal phase.

This control has to be used if a very low efficiency in the lower frequency range is detected. This can depend from a phase reversal. If you do not possess a test signal source, you can detect the difference by pressing it while playing.

Output

If not pressed (Xover position) the outputs of the subwoofer are filtered below 200 Hz.

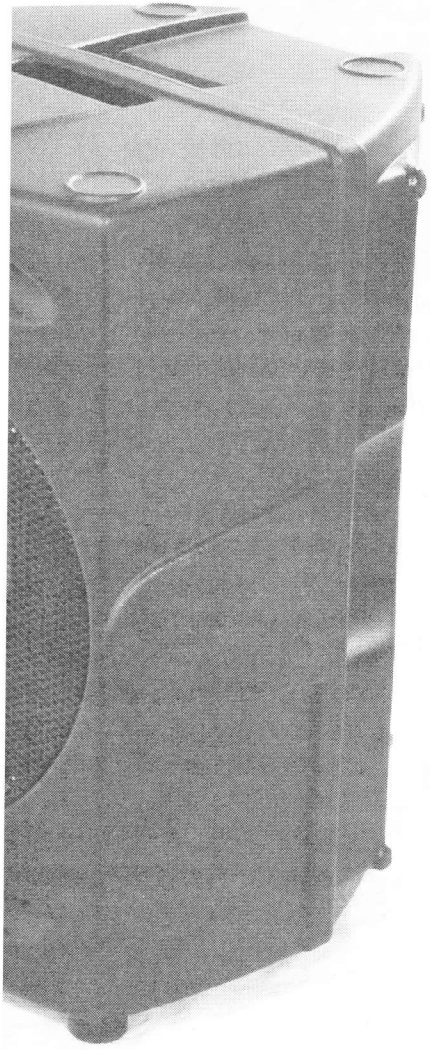
If pressed (Flat position) the subwoofer outputs sends to the satellites the entire audio spectrum, enhancing the lower frequency range.



On the lower part of the control panel are located the Combo XLR/Jack for the audio input and the male XLR connector to the Eclipse satellites.

Configuration

The Voice Systems ECLIPSE subwoofer is built in a very light and easy to use case: professional handles are located both on top and on the sides of the system.



On the top of the case four circular slots are built to ease the stacking of the ECLIPSE speakers directly above the ECLIPSE SUB subwoofer.

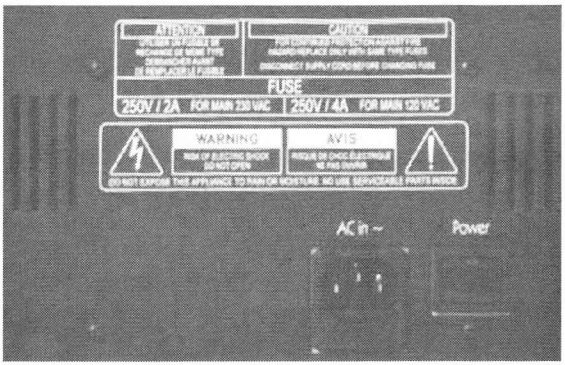
This way it is possible to create a multiple system without using speaker stands.

Four rubber feet are provided on the case bottom to surely install the speaker reducing stage noise.

On one side of the Eclipse speaker four small plastic feet allow an installation as a stage monitor.

Finally, we would like to remind you about the metal front grid and the BLUE ON LED on the front panel.

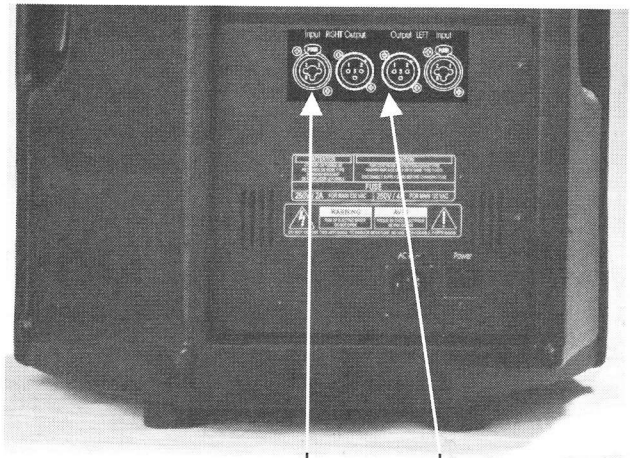
Power supply



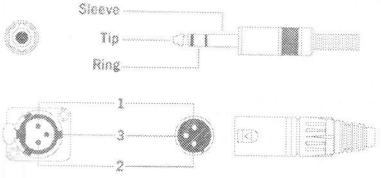
On the bottom part of the control panel the AC in cable connector is located. This connector is completed with fuse protection.

At its side it is located the power on switch.

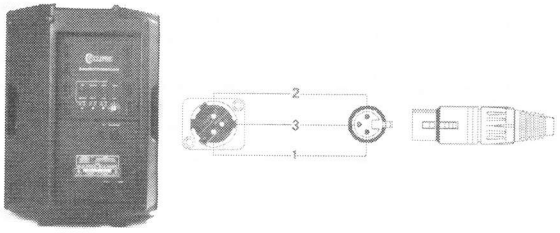
Connections example



Mixer connection with **jack or male XLR**plugs



ECLIPSE satellites connection with **female XLR** plug



ENGLISH

Technical specs

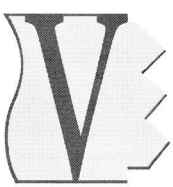
AMPLIFIER	W IHF (1kHz,THD 1%)	450 W
DISTORTION	(THD+N)	Less than 0.1%
INPUT IMPEDANCE		Balanced input: 20 Kohm Unbal input: 10 Kohm
INPUT SENSITIVITY		LINE input: 0 dB (0,775V)
POWER SUPPLY		For mains specifications see product labels.
SENSITIVITY (SPL)	dB	98 1W/1m
FREQUENCY RESPONSE	Hz (-10dB)	40-200
DISPERSION (OxV)		omni
CROSSOVER FREQUENCY		200 Hz @ 24dB/ott.
COMPONENTS		12" Woofer
CONSTRUCTION		Ultra-light HDPE cabinet Metal grid protection. three professional handles, stage monitor configuration side shape
CONTROLS		Volume, Multicomp, GND Lift, Boost, Mode, Phase
CONNECTORS		LINE Input: Combo XLR/Jack Link: XLR
DIMENSIONS	mm(WxHxD)	430x560x410
WEIGHT	kg	21,0

FCC RULES

NOTE: This equipment has been tested and found to comply with the limits for a **Class B** digital Device, persuant to Part 15 if the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio comunications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determinated by turning the equipment off and on, the user is encuraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced Radio/Tv technician for help.

The user is cautioned that any changes or modification not expressly approved by the party responsable for compliance could void the user's authority opearate the equipment.



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